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OFFICE OF PRESIDENT
MONTANA SCHOOL OF MINES

SHELVED WITH PERIODICALS

MONTANA OIL AND GAS STATISTICAL BULLETIN

BUTTE

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OIL AND GAS CONSERVATION COMMISSION

SAVINGS BLDG.
HELENA, MONTANA

Vol. IX, No. 9 — MONTANA RECORD PUBLISHING CO. HELENA, MONTANA — SEPTEMBER, 1961

Production of crude oil and condensate from the oil and gas areas of Montana for the Month of September 1961, averaged 86,535 barrels daily, a decrease of 490 barrels from the average August production of 87,025.

The eight refineries in the State processed 67,880 barrels of crude oil daily for the month of September, 1961, a decrease of 6139 barrels from the 74,019 barrels processed daily during the month of August, 1961.

During September, 46 wells were completed, 19 oil, 2 gas wells and 25 dry holes.

During September, the commission issued 30 permits to drill new wells, a decrease of 17 from the 47 permits issued during August.

SUMMARY OF CRUDE OIL PRODUCTION REFINING, STORAGE, ETC., IN MONTANA

MONTH OF SEPTEMBER, 1961

IN STORAGE SEPTEMBER 1st:	
By Producers	376,992
By Transporters	934,654
By Refiners	739,208
TOTAL STORAGE	2,050,854
Produced in Montana During Month	2,596,067
Imported During Month	1,181,531
TOTALS	5,828,452
DISPOSITION:	
Refined in Montana	2,036,415
Exported	1,624,567
Used for Fuel or Lost	8,317
TOTAL	3,669,299
IN STORAGE SEPTEMBER 30th:	
By Producers	366,428
By Transporters	1,077,757
By Refiners	714,968
TOTAL STORAGE	2,159,153

NATURAL GAS WITHDRAWALS IN MONTANA

Month of September, 1961

Field	M Cu. Ft.
Bears Den	10,946
Big Coulee	65,572
Bowdoin	96,205
Bowes	101,721
Box Elder	0
Cabin Creek	96,865
Cedar Creek	208,749
Clarks Fork	0
Cut Bank (including Reagan)	1,013,369
Devon	8,073
Dry Creek	181,993
Elk Basin	20,622
Flat Coulee	3,340
Golden Dome	0
Grandview	15,757
Hardin	5,475
Havre	10
Keith Block	20,794
Kevin Sunburst	92,825
Pine	73,816
Plevna	13,069
Utopia	0
Whitlash	81,450
Miscellaneous	41,177
TOTAL	2,151,828

Total Withdrawals for September, 1960 were 1,709,167 M Cu. Ft.

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PRODUCER'S REPORT
MONTH OF SEPTEMBER, 1961

Leases	Field	No. of Wells	Storage 1st of Month	Oil Produced	Oil Shipped By		Used or Lost	Storage End of Month
					Pipeline	Truck		
1	Ash Creek	4	1,056	2,273		2,611		718
5	Bannatyne	13	1,870	2,078		1,729		2,219
1	Belfry	1	253	1,059		1,180		132
10	Big Wall	29	4,183	45,761	36,990	8,552	43	4,359
11	Blackfoot	16	3,934	7,673	7,978			3,629
4	Border	4	16	978		763		231
1	Bowes	78	5,150	20,339	20,683			4,806
2	Bredette, North	2	1,062	911	863			1,110
2	Brorson	2	2,043	2,284	1,959			2,368
2	Cabin Creek	104	7,556	315,781	316,667			6,670
22	Cat Creek	100	3,832	17,581	14,683	2,449		4,281
	Clark's Fork, North		2,643			539		2,104
1	Cupton	1	798	620	741			677
371	Cut Bank	1,064	128,901	157,348	162,738		308	123,203
3	Deer Creek	6	1,401	23,436	22,702			2,135
2	Delphia	2	656	938	678			916
	Devil's Basin		889					889
3	Dry Creek	3	662	1,603	1,350			915
14	Dwyer	14	7,146	38,523		34,266	659	10,744
3	Elk Basin	9	2,810	266,343	265,715			3,438
	Fertile Prairie		168					168
2	Frannie	2	547	2,281	2,396			432
1	Gage	1	739	679	273	330		815
4	Gas City	10	3,698	48,585	46,135			6,148
6	Glendive	11	2,328	49,610	49,474			2,464
4	Gypsy Basin	4	1,186	1,054	1,064			1,176
2	Hibbard	2	959	2,301		2,312		948
10	Ivanhoe	22	5,958	38,972	39,790		91	5,049
5	Keg Coulee	10	4,434	62,319	62,004			4,749
173	Kevin Sunburst	992	21,168	49,211	50,350		30	19,999
1	Little Beaver	21	4,372	37,467	38,978			2,861
3	Little Beaver, East	10	3,843	27,350	25,933			5,260
	Mackay Dome		770					770
3	Melstone	8	1,195	3,524	2,648			2,071
5	Monarch	13	6,057	23,576	24,653			4,980
2	Mosser	2	200	1,210		1,410		
7	Outlook	11	8,716	43,243	47,261			4,698
3	Outlook, South	3	1,857	3,053	3,507			1,403
18	Pennel	28	9,696	87,400	42,545	44,427		10,124
3	Pine	149	13,120	457,212	457,036			13,296
85	Pondera	316	9,665	40,090	41,781		5	7,969
7	Poplar, East	91	24,340	196,324	197,962		23	22,679
3	Poplar, Northwest	4	1,790	1,675	2,202			1,263
4	Ragged Point	9	3,001	15,820	13,512	2,619		2,690
3	Reagan	28	2,665	10,278	9,819			3,124
9	Red Creek	20	6,456	26,679	3,952	25,538		3,645
1	Redstone	1	372	1,028	668			732
1	Repeat	1	246	1,691	1,263			674
7	Richey	11	4,475	8,479	8,999			3,955
2	Richey, Southwest	2	1,984	3,481	3,489			1,976
4	Sand Creek	5	3,346	14,920	13,456			4,810
2	Sidney	2	1,441	2,023	1,476			1,988
2	Snyder	4	561	1,545		542		1,564
4	Soap Creek	8	2,205	5,961		4,305		3,861
10	Stensvad	26	9,692	142,758	144,556			7,894
27	Sumatra	91	15,401	170,890	171,001		319	14,971
6	Sweegrass Hills	6	3,125	2,473		3,005		2,593
6	Tule Creek	7	3,267	37,653	37,616			3,304
11	Whitlash	22	6,494	7,595	9,405			4,684
11	Wills Creek	17	3,935	31,935	31,747			4,123
10	Wolf Springs	19	4,131	26,273	26,470			3,934
2	Woodrow	2	528	1,920	1,408			1,040
927		3,443	376,992	2,596,067	2,468,576	136,577	1,478	366,428

Total Oil Produced and Shipped from Lease	Bbls. Produced	Daily Average	Bbls. Shipped	Daily Average
Year, 1960	30,239,915	82,849	30,213,359	82,776
First Quarter, 1961	7,439,465	82,660	7,441,654	82,685
Second Quarter, 1961	7,543,737	82,896	7,508,896	82,515
Third Quarter, 1961	7,937,751	86,279	7,944,087	86,348

Oil in Storage	In Producers Field Tank	In Transporters Storage	In Refiners Storage*	Total Oil in Storage
December, 1960	359,360	669,036	652,546	1,680,942
March, 1961	348,087	721,005	636,988	1,706,080
June, 1961	377,538	887,739	701,122	1,966,400
September, 1961	366,428	1,077,757	714,968	2,159,153

*Includes Wyoming Oil

TRANSPORTERS REPORT
MONTH OF SEPTEMBER, 1961

	Storage First of Month	OIL RECEIVED BY			Loss or Gain	OIL SHIPPED TO			Storage End of Month
		Pipeline	Truck	Connecting Carrier		Montana	Other States	Connecting Carrier	
ASH CREEK—Truck			2,611				2,611		
BANNATYNE—Truck			1,729			1,729			
BELFRY—Truck			1,180				1,180		
BIG WALL									
Glacier Pipe Line Co.		36,990				36,990			
Truck			8,552			8,552			
		36,990	8,552			45,542			
BLACKFOOT—Union Oil Co.		7,978				7,978			
BORDER—Truck			763			763			
BOWES—Texaco, Inc.		20,683				20,683			
BRORSON—Sun Oil Co.		1,959					1,959		
CABIN CREEK & OTHERS*									
Butte Pipe Line Co.	324,029	951,708	44,427	528,642			1,533,723		315,083
Shell Pipe Line Corp.	4,833	172,702			(1081)			172,392	6,224
	328,862	1,124,410	44,427	528,642	(1081)		1,533,723	172,392	321,307
CAT CREEK—									
Glacier Pipe Line Co.		14,683				14,683			
Truck			2,449			2,449			
		14,683	2,449			17,132			
CLARK'S FORK—Truck			539				539		
CUT BANK—									
Big West Oil Co.				13,291		13,291			
Darling Gathering System, Inc.	6,926	8,301						6,012	9,215
Glacier Pipe Line Co.				85,584			85,584		
Phillips Petroleum Co.	104,734	55,976		39,848	1,369	74,709		11,531	112,949
Texas Pipe Line Co.	61,891	103,244			443			90,632	74,060
Teton Pipe Line Corp.	58,246	43,869			3,284			50,108	48,723
Union Oil Co.	130,550	44,371		27,761	(29)	90,275			112,436
	362,347	255,761		166,484	5,067	178,275	85,584	158,283	357,383
DELPHIA—Glacier Pipe Line Co.		679					679		
DRY CREEK—									
Marathon Pipe Line Co.	8,011	1,350			162				9,199
DWYER—Truck			34,266				34,266		
ELK BASIN—Ohio Oil Co.		265,715				191,321	74,394		
FRANNIE—Ohio Oil Co.		2,396					2,396		
GAGE—Glacier Pipe Line Co.		275				275			
Truck			330			330			
		275	330			605			
GLENDIVE, DEER CREEK, WOODROW & SAND CREEK									
The Texas Pipe Line Co.	13,354	88,119			839		48,761	42,788	9,085
HIBBARD—Truck			2,312				2,312		
IVANHOE—Glacier Pipe Line Co.		38,919					38,919		
KEG COULEE—									
Glacier Pipe Line Co.		60,777				23,507	37,270		
KEVIN-SUNBURST—									
Big West Oil Co.	2,864	46,464				45,232			4,096
Homestake Oil & Gas Co.	5,161	3,169		6,012		10,050			4,292
The Texas Pipe Line Co.	5,696	18,741			184	4,561		13,996	5,696
	13,721	68,374		6,012	184	59,843		13,996	14,084
MELSTONE—									
Glacier Pipe Line Co.		4,014				2,735	1,279		
MOSSER—Truck			1,410			1,410			
PONDERA—Phillips Petr. Co.	35,933	45,344			1,091	31,415			48,771
POPLAR, BREDETTE, OUTLOOK, OUTLOOK SOUTH, REDSTONE, RICHEY & TULE CREEK									
East Poplar Gathering System	16,584	309,984			1,028			313,679#	11,861
RAGGED POINT—									
Glacier Pipe Line Co.		12,512				12,512			
Truck			2,619				2,619		
		12,512	2,619			12,512	2,619		
REAGAN—Union Oil Co.		9,819				9,819			
RED CREEK—									
Union Oil Co.		3,952				3,952			
Truck			25,538				25,538		
		3,952	25,538			3,952	25,538		
SIDNEY—Sun Oil Co.		1,476					1,476		
SNYDER—Truck			542				542		
SOAP CREEK—Truck			4,305				4,305		
SUMATRA AND STENSVAD—									
Crude Oil Pipe Line, Inc.	25,429	25,551			451	25,696			24,833
Glacier Pipe Line Co.	126,230	309,986			(4,144)	166,275			274,085
	151,659	335,537			(3,693)	191,971			298,918
SWEETGRASS HILLS—Truck			3,005			3,005			
WHITLASH—									
Big West Oil Co.		9,225				9,225			
Union Oil Co.		180				180			
		9,405				9,405			
WOLF SPRINGS—									
Crude Oil Pipe Line, Inc.	4,183	27,213			(24)	24,271			7,149
TOTALS	934,654	2,748,324	136,577	701,138	3,573	837,873	1,900,352	701,138	1,077,757

*Cabin Creek, Cupton, Fertile Prairie, Gas City, Little Beaver, Little Beaver East, Monarch, Pennel, Pine, Repeat, Richey, Southwest Richey, and Wills Creek Fields.

#Transferred to Butte Pipe Line Company.

Montana School of Mines
Office of the President
Butte, Montana

BARRELS OF CRUDE OIL REFINED IN MONTANA
MONTH OF SEPTEMBER, 1961

Field	Big West Oil Co.	Continental Oil Co.	Diamond Asphalt Co.	Farmers Union	Humble Oil & Ref. Co.	Jet Fuel Refinery	Phillips Petr. Co.	Union Oil Co.	Total
Big Wall						4,237			4,237
Blackfoot								8,298	8,298
Bowes			19,226						19,226
Cat Creek		16,355		2,066		1,828			20,249
Cut Bank	9,925						74,814	96,955	181,694
Dry Creek				1,790					1,790
Elk Basin		59,663			131,658				191,321
Gage				300		275			575
Kevin Sunburst	64,241								64,241
Pondera							33,514		33,514
Reagan								179	179
Red Creek								2,077	2,077
Sumatra and Stensvad		582		119,685	185,934	3,851			310,052
Whitlash								640	640
Wolf Springs					16,791				16,791
Total Montana Oil	74,166	76,600	19,226	123,841	334,383	10,191	108,328	108,149	854,884
Canadian Oil Imported			4,415					174	4,589
Wyoming Oil Imported		315,286		314,123	547,533				1,176,942
Total Mont., Canadian & Wyoming Oil	74,166	391,886	23,641	437,964	881,916	10,191	108,328	108,323	2,036,415

AVERAGE BARRELS PER DAY

	Montana	Canada	Wyoming	TOTAL
Year, 1960	28,852	56	39,406	68,314
September, 1960	32,985	51	42,386	75,422
September, 1961	28,496	153	39,231	67,880

PERCENTAGE OF CRUDE OIL REFINED

Montana	Canada	Wyoming
42.23%	.09%	57.68%
43.73%	.08%	56.19%
41.97%	.24%	57.79%